



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Murphy, et al.  
Serial No. : 09/886,400  
Filed : June 20, 2001  
Title : ALPHA GALACTOSIDASES AND METHODS FOR MAKING AND USING THEM (AMENDED)

Art Unit : 1652  
Examiner : Delia M. Ramirez, Ph.D.

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed for filing in the above-referenced patent application is a Form PTO-1449. This supplemental statement is being filed with a Request for Continued Examination in response to the Office Action dated March 26, 2003. Applicants respectfully request consideration of the remarks and references set forth herein.

The following documents are enclosed herewith:

- copy of Form PTO-1449
- Postcard
- copies of cited references

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit

9/25/03

Signature

*Jeanne Armon Rice*  
*Jeanne Armon Rice*

Typed or Printed Name of Person Signing Certificate

**REMARKS**

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This submission is a supplemental Information Disclosure Statement (IDS). The previous IDS and PTO FORMs 1449 were submitted on October 14, 2002 and January 24, 2003.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

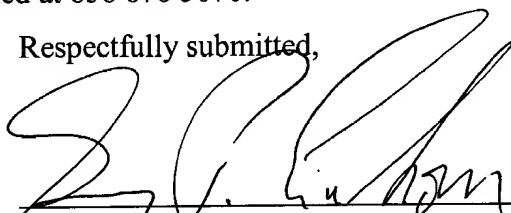
Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 06-1050. If necessary, please deduct any necessary additional fees from, or credit any overpayment to, the above-noted Deposit Account.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 858 678 5070.

Respectfully submitted,

Date:

Sept. 22, 2003

  
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09010-004005	Application No. 09/886,400
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR § 1.98(b))		Applicant Murphy, et al.	RECEIVED SEP 9 2003 TECH CENTER 1600/2900
		Filing Date June 20, 2001	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,057,098	May 2, 2000	Buechler et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AI							
	AJ							
	AK							
	AL							
	AM							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AN	Abaza, et al., "Effects of Amino Acid Substitutions Outside an Antigenic Site on Protein Binding to Monoclonal Antibodies of Predetermined Specificity Obtained by Peptide Immunization: Demonstration with Region 94-100 (Antigenic Site 3) of Myoglobin", <u>Journal of Protein Chemistry</u> , Vol. 11, No. 5, pp. 433-444, 1992
	AO	Ngo, et al., "Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox", <u>The Protein Folding Problem and Tertiary Structure Prediction</u> , Chapter 14, pp. 491-494
	AP	Campbell, "General Properties and Applications of monoclonal antibodies", <u>Elsevier Science Publishers</u> , section 1.1., pp. 1-32, 1984
	AQ	Li, et al., "β-endorphin omission analogs: Dissociation of immunoreactivity from other biological activities", <u>Proc. Natl. Acad. Sci.</u> , Vol. 77, No. 6, pp. 3211-3214, June, 1980
	AR	Lederman, et al., "A Single Amino Acid Substitution in a Common African Allele of the CD4 Molecule Ablates Binding of the Monoclonal Antibody, OKT4, <u>Mol. Immunology</u> , Vol. 28, No. 11, pp. 1171-1181, 1991

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
09010-004005Application No.  
09/886,400**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR §1.83(b))

Applicant

Murphy, et al.

Filing Date

June 20, 2001

Group Art Unit

1652

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AS	Colman, "Effects of amino acid sequence changes on antibody-antigen interactions", <u>Research in Immunology</u> , Vol. 145, No. 1, pp. 33-36, 1994
	AT	Koizumi, et al., "Isolation and characterization of novel heterogenous branched cyclomalto-oligosaccharides (cyclodextrins) produced by transgalactosylation with $\alpha$ -galactosidase from coffee bean", <u>Carbohydrate Research</u> , Vol. 278, pp. 129-142, 1995
	AU	Witkowski, et al., "Conversion of Beta-Ketoacyl Synthase to a Malonyl Decarboxylase by Replacement of the Active-Site Cysteine with Glutamine", <u>Biochemistry</u> , Vol. 28, pp. 11643-1160, 1999
	AV	Ishii, et al., "Human $\alpha$ -galactosidase gene expression: significance of two peptide regions encoded by exons 1-2 and 6", <u>Biochimica et Biophysica Acta</u> , Vol. 1204, pp. 365-270, 1994

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.